

Name: _____

Date: _____

FOIL and Factor solution (version 108)

FOIL the expressions shown below:

1. $(x + 6)(x + 1)$

$$x^2 + 7x + 6$$

2. $(x + 4)(x + 6)$

$$x^2 + 10x + 24$$

3. $(x + 4)(x - 3)$

$$x^2 + x - 12$$

4. $(x - 3)(x - 4)$

$$x^2 - 7x + 12$$

5. $(x - 6)(x + 5)$

$$x^2 - x - 30$$

Factor the expressions shown below:

6. $x^2 - 3x - 28$

$$(x - 7)(x + 4)$$

7. $x^2 + 6x + 5$

$$(x + 1)(x + 5)$$

8. $x^2 - 7x + 6$

$$(x - 6)(x - 1)$$

9. $x^2 - 4x - 21$

$$(x - 7)(x + 3)$$

10. $x^2 + x - 30$

$$(x + 6)(x - 5)$$